

LAND APPLICATION SITE

H N VANCELEEF JR.

DWHNV 1 - 8

DINWIDDIE COUNTY

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 9-21-15 between Herbert N. Vancleef Jr. referred to here as "Landowner", and Recyc Systems, Inc, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Dumfries, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>27-21</u>	<u>28-1C</u>		
<u>27-22</u>	<u>28-1B</u>		
<u>28-1</u>	<u>1B-6</u>		
<u>28-1D</u>			
<u>28-24A</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<u>HERBERT N. VANCLEEF JR</u>	<u>Herbert N. Vancleef Jr</u>	<u>8110 BART. MONE RD</u>
Landowner - Printed Name, Title	Signature	Mailing Address & Phone Number
		<u>Ford Va 23850</u> <u>804-691-1264</u>

Permittee:

Recyc Systems, Inc, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

<u>Stumbo</u>	<u>Stumbo</u>	<u>PO Box 562 Remington, Virginia 22734</u>
Permittee - Authorized Representative	Signature	Mailing Address
Printed Name		

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, inc

County or City: Dinwiddie

Landowner: Herbert N. Vancleef Jr.

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Herbert N. Vancleef Jr.
Landowner's Signature

9-21-2015
Date

Same as above

Farm Operator Signature

8110 Baltimore Rd.
Ford, VA 23850
804-691-1264

Mailing Address & Phone Number

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 9-21-15 between Janet chambers referred to here as "Landowner", and Recyc Systems, Inc, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Dinwiddie Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>20-2</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<u>Janet Chambers</u> <u>Jimmy Chambers</u>	<u>Janet Chambers</u> <u>Jimmy Chambers</u>	<u>6355 Namozine Rd</u> <u>Crewe, Va</u> <u>23930</u>
Landowner - Printed Name, Title	Signature	Mailing Address & Phone Number
		<u>434-645-0271</u>

Permittee:

Recyc Systems, Inc, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

<u>[Signature]</u>	<u>[Signature]</u>	<u>PO Box 562 Remington, Virginia 22734</u>
Permittee - Authorized Representative	Signature	Mailing Address
Printed Name		

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, inc County or City: Dinwiddie

Landowner: Janet + Jimmy Chambers

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
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 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
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 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Janet Chambers / Janet Chambers
Jimmy Chambers
Landowner's Signature

09/21/15
Date

Herbert N. Va. Chief
Farm Operator Signature

8110 Baltimore Rd Ford Va.
Mailing Address & Phone Number
804-691-1264

Landowner Coordination Form

Permittee: Recyc Systems, Inc.


County or City: Dinwiddie County

Signature not required on this page

[illegible]

FARM DATA SHEET

SITE NAME:	H. N. Vancleef Jr.	COUNTY:	Dinwiddie
OWNER:	See List Below	OPERATOR:	H. N. Vancleef Jr.
OWNER'S ADDRESS:	See List Below	OPERATOR'S ADDRESS:	8110 Baltimore Road Ford, VA 23850
OWNER'S TELEPHONE:	See List Below	OPERATOR'S TELEPHONE:	804-265-8446
GENERAL FARM TYPE:	Hay/ Pasture	CELL PHONE:	804-691-1264
# CATTLE:	75	EMAIL:	-
LAGOON or SLURRY:	None	LATITUDE:	F 1-6, 8 37.157 F 7 37.175
TOPO QUAD:	Church Road, Hebron	LONGITUDE:	F 1-6, 8 -77.753 F 7 -77.755
COMMENTS:	METHOD OF DETERMINATION: Online Maps		
Herbert Nelson (H.N.) Vancleef Jr. 8110 Baltimore Road Ford, VA 23850 804-691-1264		Janet V. and Jimmy Ray Chambers 6355 Namozine Road Crewe, VA 23930 434-645-8271	

BB 
7-21-20

NEW FIELD CHANGES

H.N. VANCLEEF JR.

DINWIDDIE COUNTY

NEW FIELD 1 IS OLD FIELD 1.

NEW FIELD 2 IS PART OF OLD FIELD 2.

NEW FIELD 3 IS OLD FIELD 3.

NEW FIELD 4 IS OLD FIELD 4.

NEW FIELD 5 IS OLD FIELD 5.

NEW FIELD 6 IS OLD FIELD 6.

NEW FIELD 7 IS OLD FIELD 7.

NEW FIELD 8 IS PART OF OLD FIELD 2.

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood			
DWHNV 1	14.6	-	-	-	-	JA 37	28-1	T 2287 F 1, 2
DWHNV 2	19.2	-	-	-	-	JA 37	28-1	T 2287 F 4
DWHNV 3	17.3	-	-	-	-	JA 37	28-1D 28-24A 28-1C	T 2287 F 5
DWHNV 4	14.6	-	-	-	-	JA 37	28-2	T 2266 F 1, 2
DWHNV 5	33.3	-	-	-	-	JA 37	27-21	T 2244 F 1, 2, 3, 5, 6
DWHNV 6	22.4	-	-	-	-	JA 37	27-21	T 2244 F 7, 8, 9, 10
DWHNV 7	14.1	9B Jan.-Apr. 16A Nov.-May	-	-	-	JA 37	15-6 14-9B	T 2267 F 1
DWHNV 8	7.4	-	-	-	-	JA 37	28-1	T 2287 F 3
TOTAL ACRES IN SITE	142.9							

7-21-20

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet
(Fall, 2020-Winter, 2022)
H N Vancleef Jr.
Planner: John Doe

Tract: 2244

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, 2, 3, 5, 6/DWHNV 5(N)	33/33	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
7, 8, 9, 10/DWHNV 6(N)	22/22	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 2266

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, 2/DWHNV 4(N)	15/15	2020	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 2267

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1/DWHNV 7(N)	14/14	2020	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 2287

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosid Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, 2/DWHNV 1(N)	15/15	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
4/DWHNV 2(N)	19/19	2020	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			
5/DWHNV 3(N)	17/17	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
3/DWHNV 8(N)	7/7	2020	Grass Pasture	50-30-40	0/0				50-30-40	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
2244	DWHNV 5	33	[No Test]						
2244	DWHNV 6	22	[No Test]						
2266	DWHNV 4	15	[No Test]						
2267	DWHNV 7	14	[No Test]						
2287	DWHNV 1	15	[No Test]						
2287	DWHNV 2	19	[No Test]						
2287	DWHNV 3	17	[No Test]						
2287	DWHNV 8	7	[No Test]						

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
2244	2244/1, 2, 3	DWHNV 5	33	Herndon	IVa	II	III	III	
	2244/7, 8, 9	DWHNV 6	22	Herndon	IVb	III	III	IV	
2266	2266/1, 2	DWHNV 4	15	Herndon	IVa	II	III	III	
2267	2267/1	DWHNV 7*	14	Georgeville	IVb	III	III	III	High Slope
2287	2287/1, 2	DWHNV 1	15	Herndon	IVa	II	III	III	
	2287/4	DWHNV 2	19	Herndon	IVa	II	III	III	
	2287/5	DWHNV 3	17	Herndon	IVa	II	III	III	
	2287/3	DWHNV 8	7	Herndon	IVa	II	III	III	

* Do not apply manure or biosolids more than 30 days prior to planting. Apply commercial fertilizer nitrogen to row crops in split spring applications.

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	>6	>4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

Farm Summary Report

Plan: **New Plan** **Fall, 2020 - Winter, 2022**

Farm Name: **H N Vancleef Jr.**

Location: Dinwiddie

Specialist: John Doe

N-based Acres: 142.9

P-based Acres: 0.0

Tract Name: **2244**

FSA Number: 2244

Location: Dinwiddie

Field Name: **DWHNV 5**

Total Acres: 33.30 Usable Acres: 33.30

FSA Number: 1, 2, 3, 5, 6

Tract: 2244

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
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50	10C	Herndon
50	10B	Herndon

Field Warnings:

Field Name: DWHNV 6

Total Acres: 22.40 Usable Acres: 22.40

FSA Number: 7, 8, 9, 10

Tract: 2244

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
16	10B	Herndon
67	10C	Herndon
5	8B	Georgeville
11	W	Water

Field Warnings:

Tract Name: 2266

FSA Number: 2266

Location: Dinwiddie

Field Name: DWHNV 4

Total Acres: 14.60 Usable Acres: 14.60

FSA Number: 1, 2

Tract: 2266

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
14	8B	Georgeville
12	10B	Herndon
74	10C	Herndon

Field Warnings:**Tract Name: 2267**

FSA Number: 2267

Location: Dinwiddie

Field Name: DWHNV 7

Total Acres: 14.10 Usable Acres: 14.10

FSA Number: 1

Tract: 2267

Location: Dinwiddie
Slope Class: D Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
97	8D	Georgeville
3	16A	Roanoke

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with percent slope in excess of 15%

Tract Name: 2287

FSA Number: 2287

Location: Dinwiddie

Field Name: DWHNV 1

Total Acres: 14.60 Usable Acres: 14.60

FSA Number: 1, 2

Tract: 2287

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
88	10B	Herndon
12	10C	Herndon

Field Warnings:

Field Name: DWHNV 2

Total Acres: 19.20 Usable Acres: 19.20

FSA Number: 4

Tract: 2287

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
47	8B	Georgeville
4	10B	Herndon
49	10C	Herndon

Field Warnings:

Field Name: DWHNV 3

Total Acres: 17.30 Usable Acres: 17.30

FSA Number: 5

Tract: 2287

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
---------	--------	-------------

75	10C	Herndon
12	10B	Herndon
13	8B	Georgeville

Field Warnings:

Field Name: DWHNV 8

Total Acres: 7.40 Usable Acres: 7.40

FSA Number: 3

Tract: 2287

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

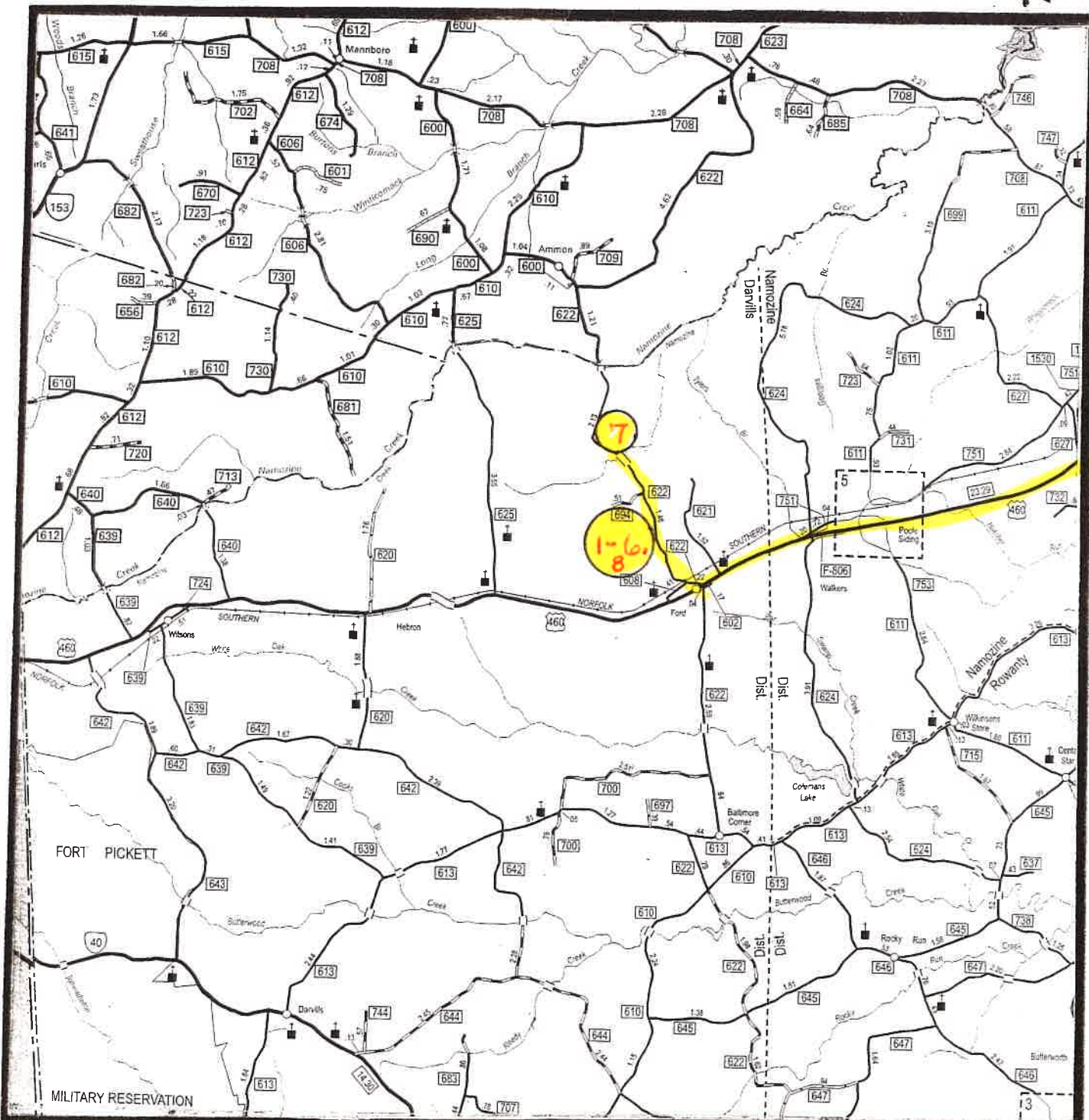
PERCENT	SYMBOL	SOIL SERIES
9	10B	Herndon
91	10C	Herndon

Field Warnings:

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2 miles

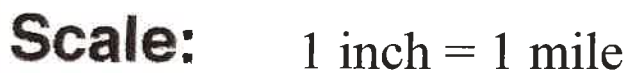
DWHNV 1- 8

7-21-20
Truck Route
Marked in
Yellow

VICINITY MAP



(Biosolids Land Application)

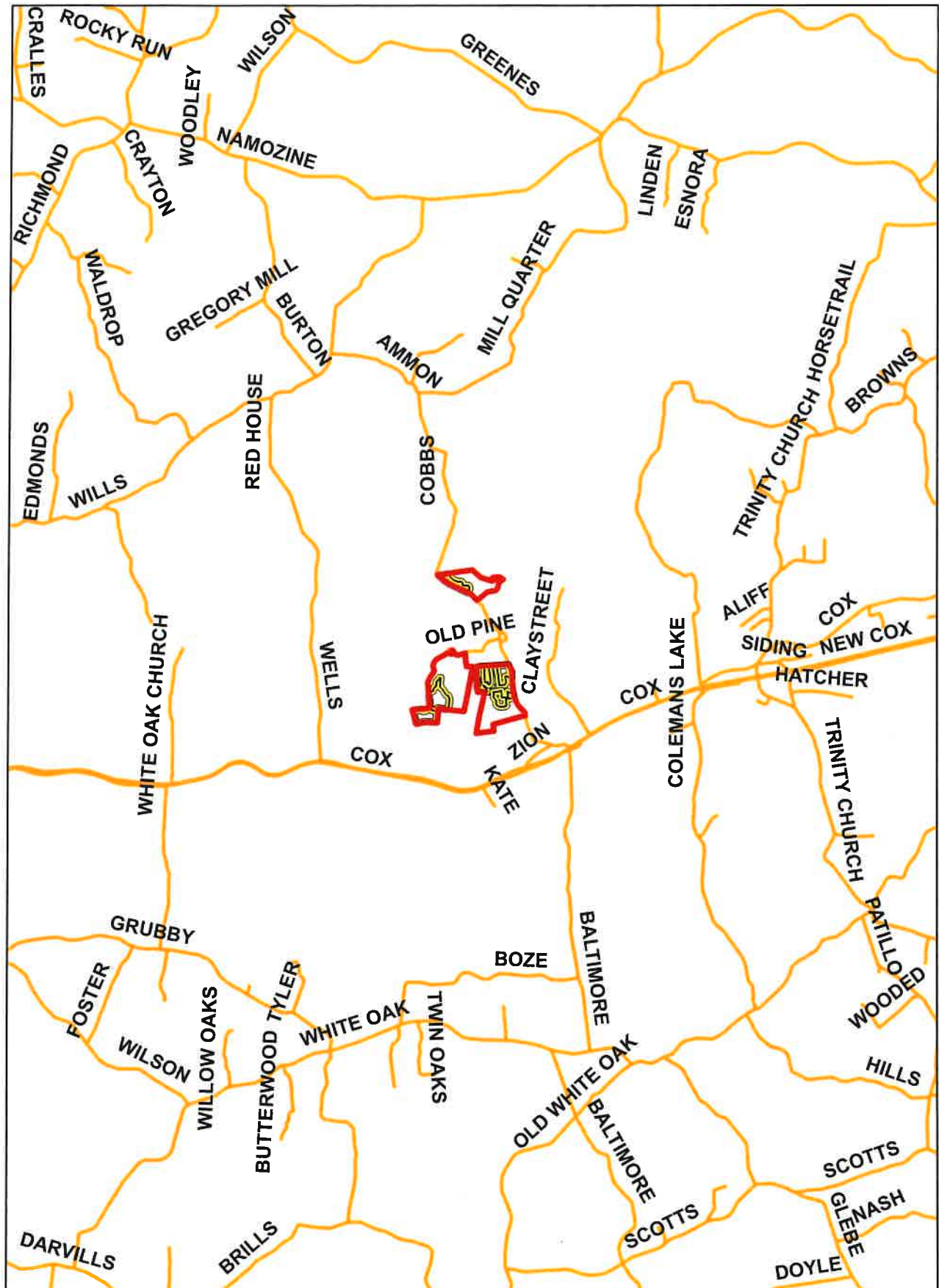


DWHNV 1- 8

7-21-20
Truck Route
Marked in
Yellow

VICINITY MAP



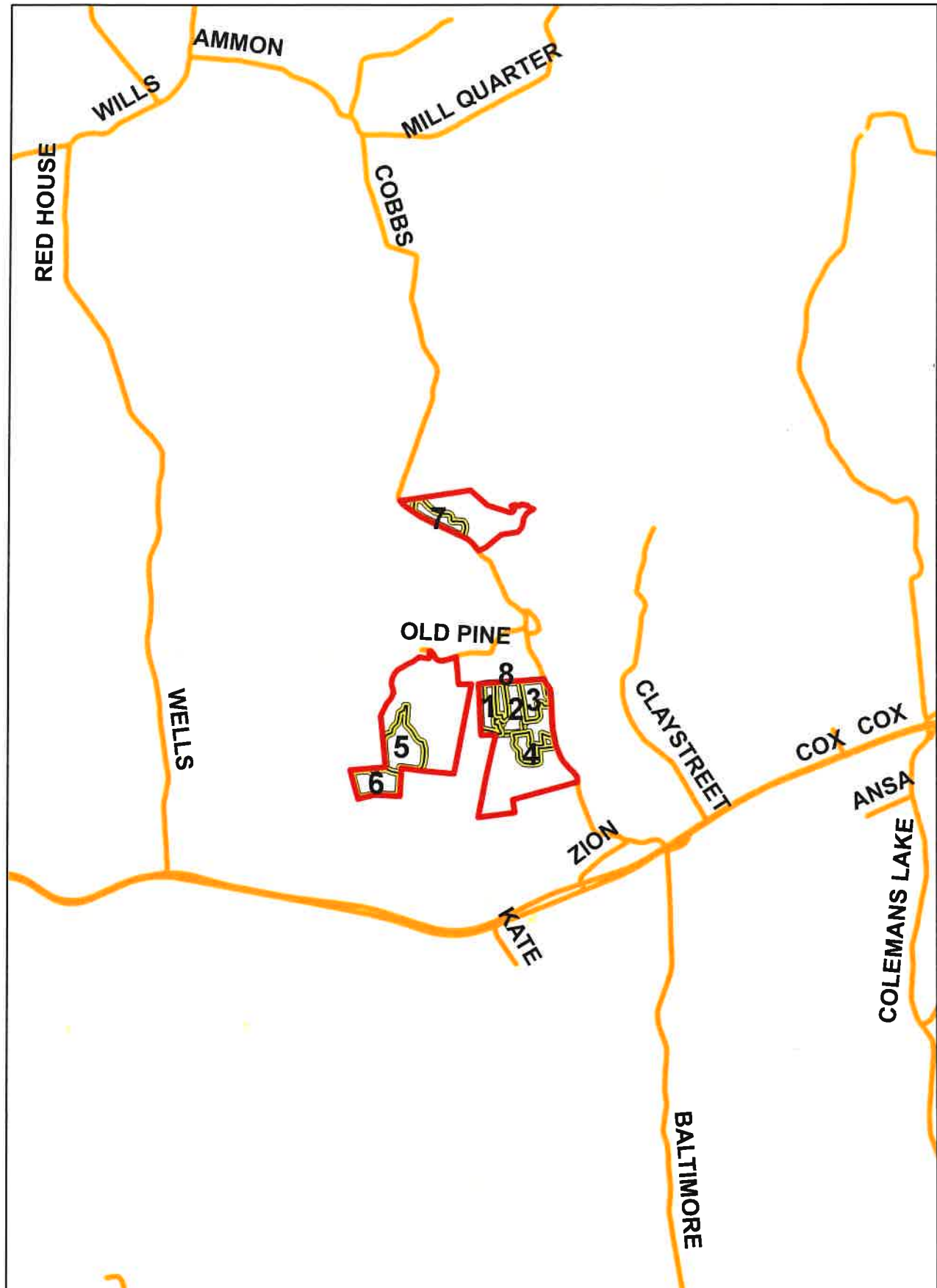


7-21-20

Vicinity Map

1 in = 2 miles





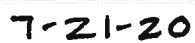
7-21-20

Vicinity Map

1 in = 1 miles



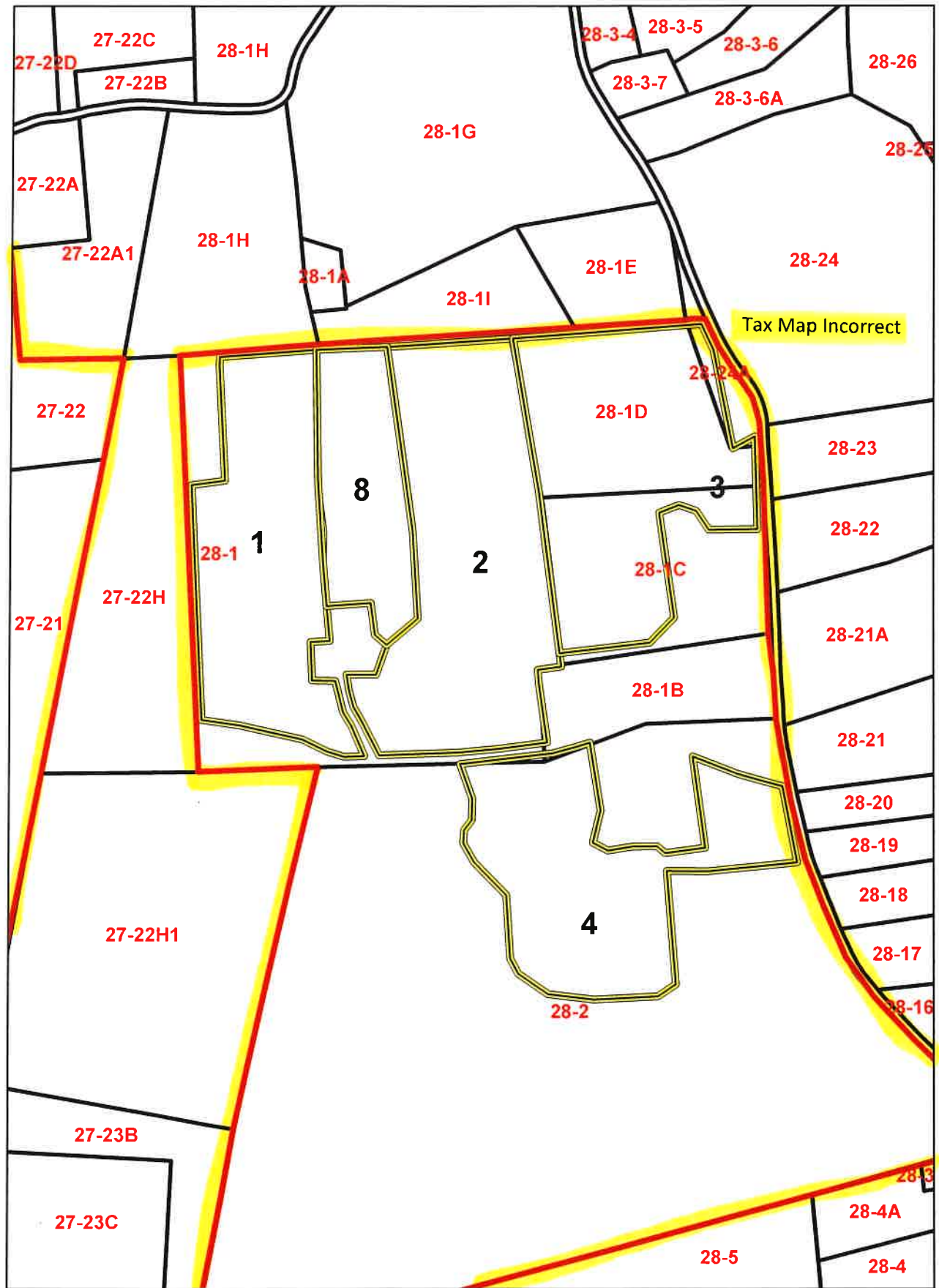
DWHNV



Tax Map

1 in = 1,667 feet





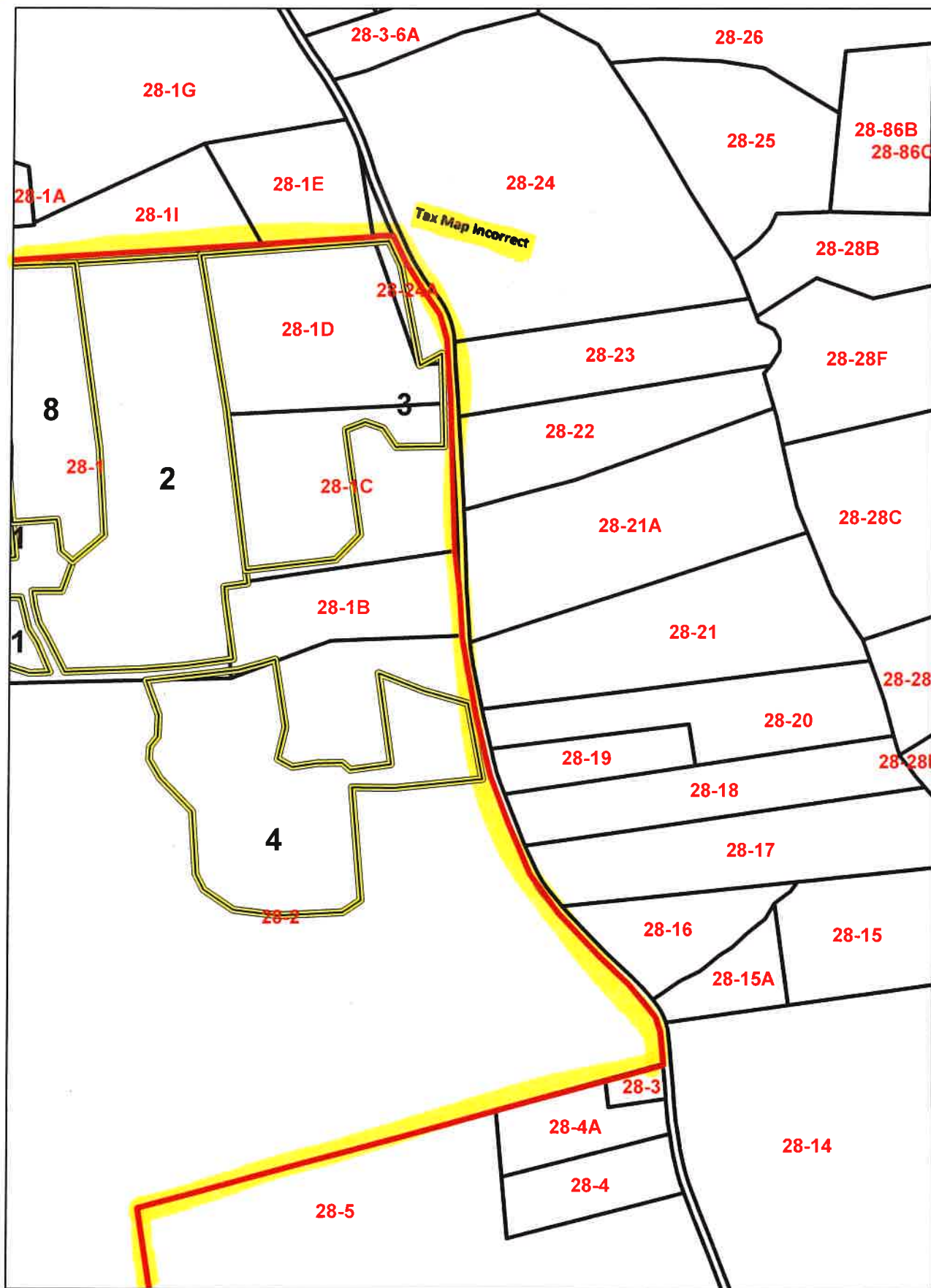
Tax Map Incorrect



1-21-20

Tax Map

1 in = 660 feet



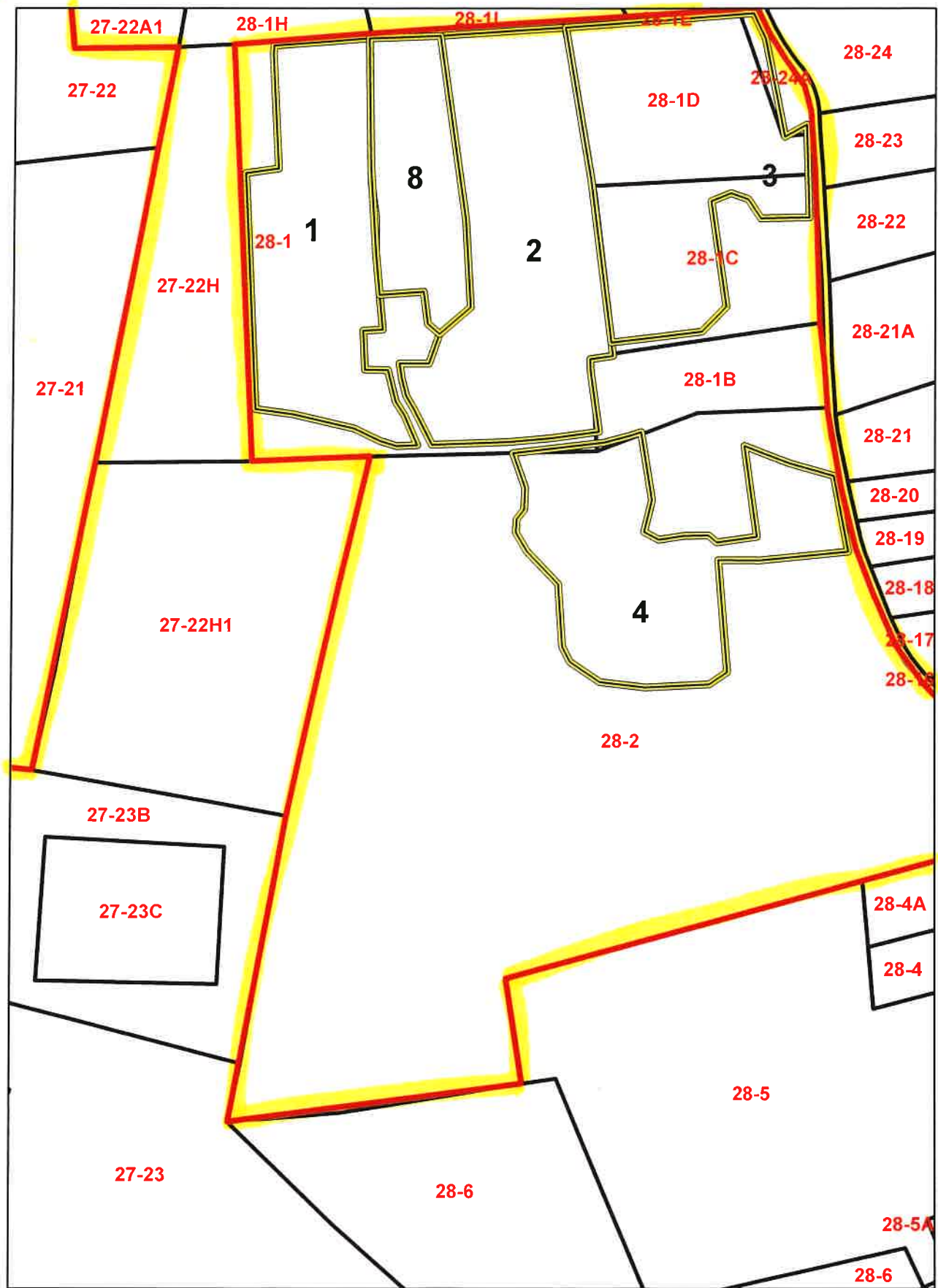
7-21-20

Tax Map

1 in = 660 feet



DWHNV

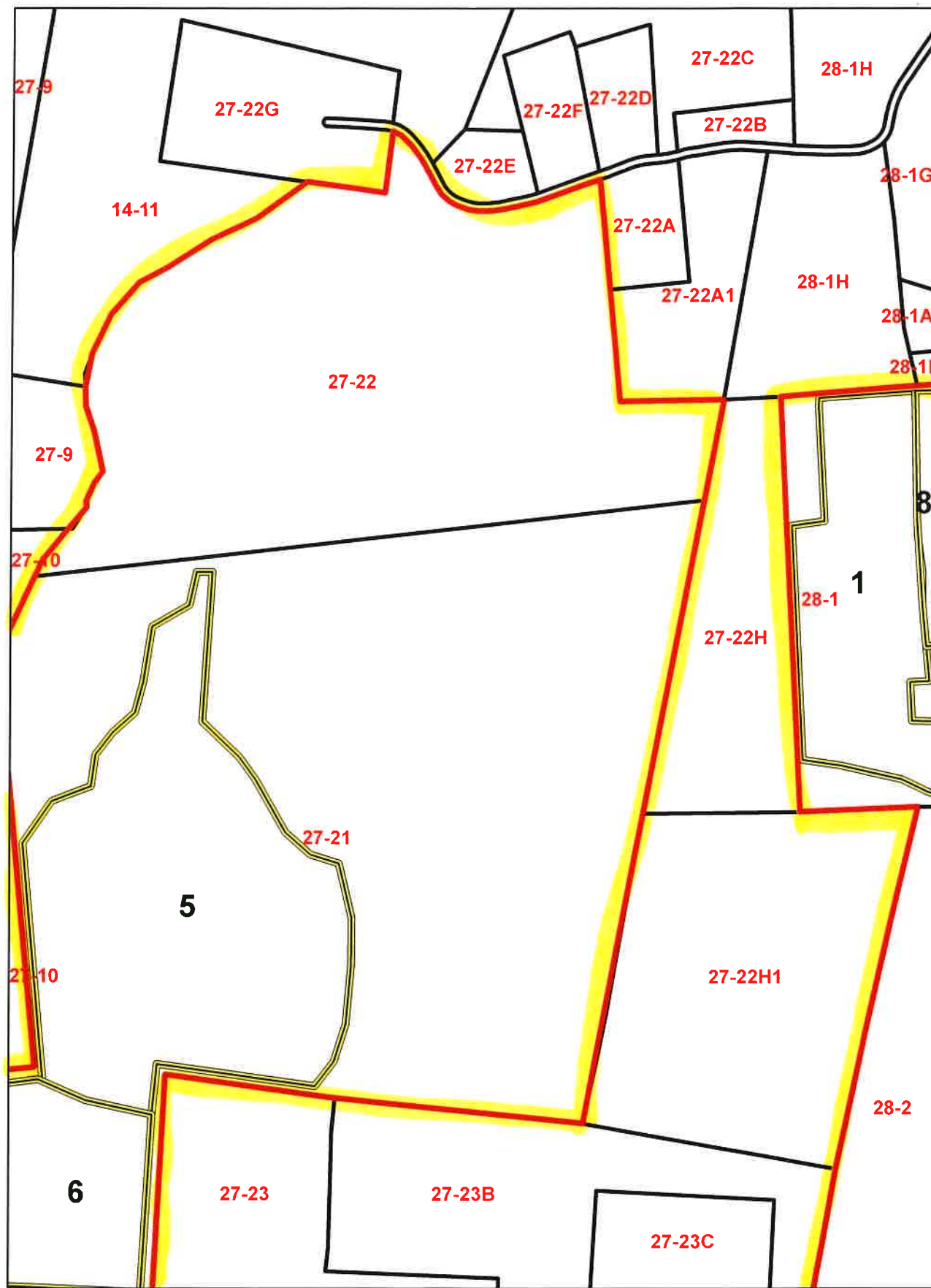


7-21-20

Tax Map

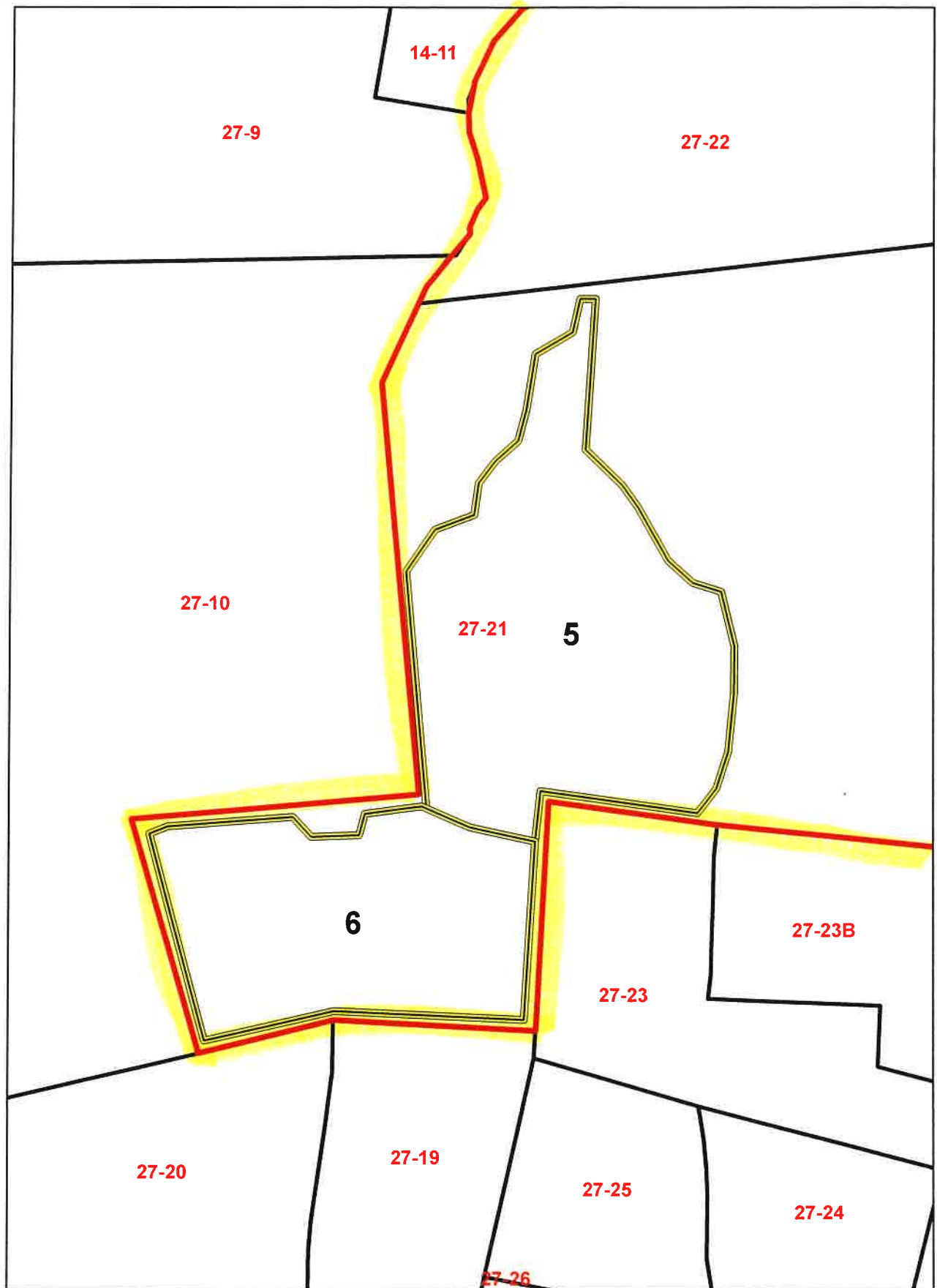
1 in = 660 feet





Tax Map

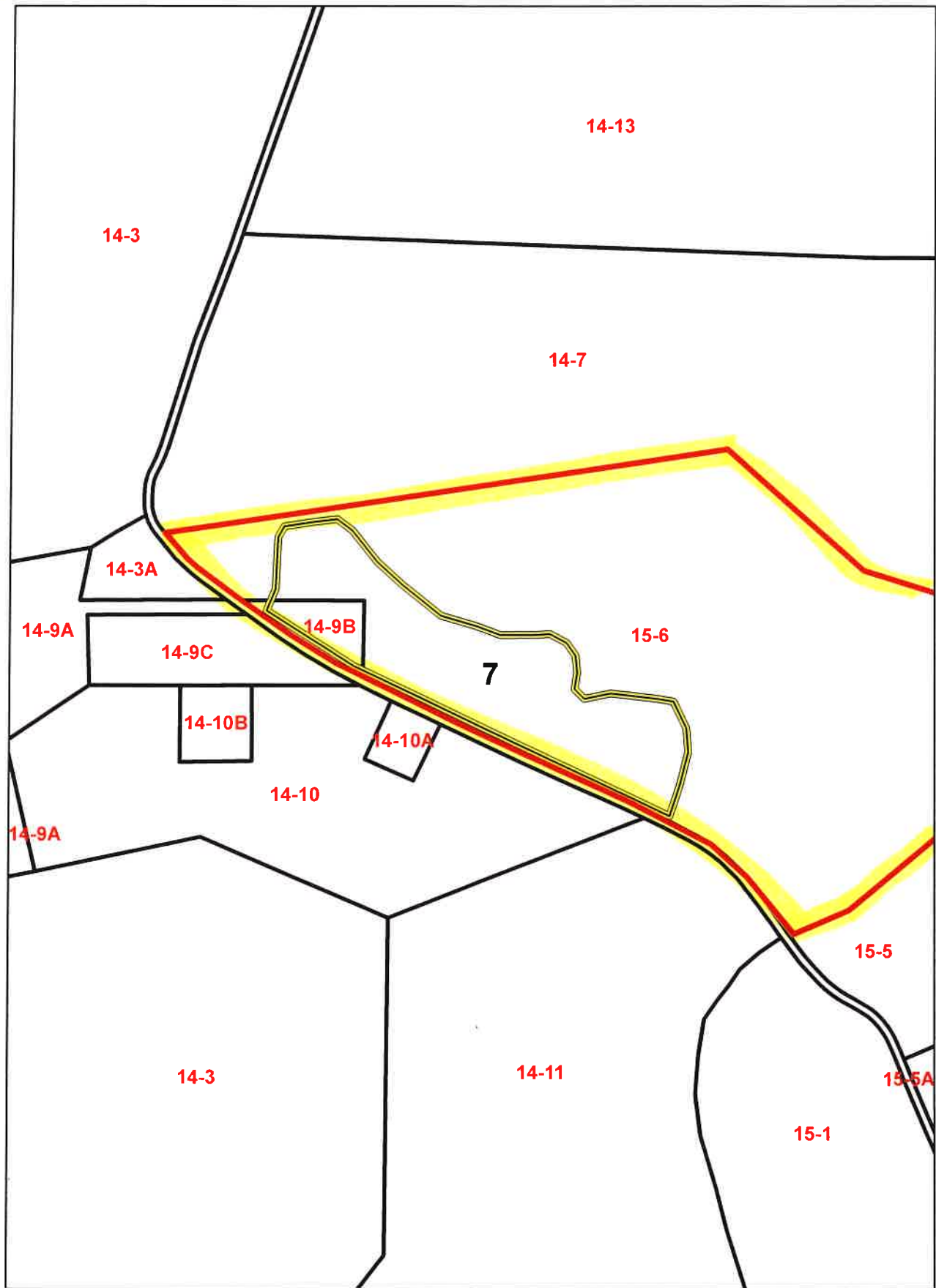
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7-21-20

Tax Map

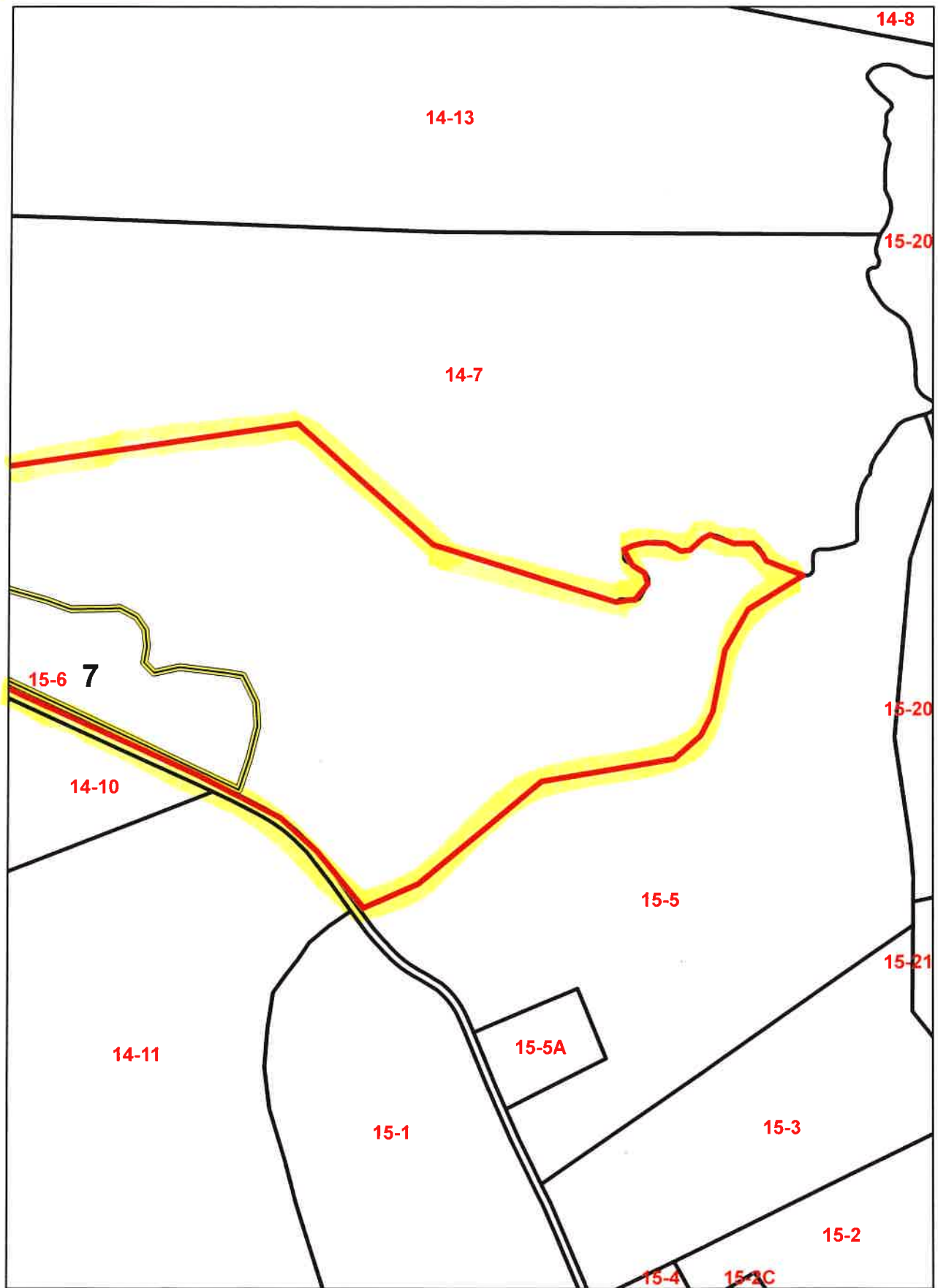
1 in = 660 feet



7-21-20

Tax Map

1 in = 660 feet



7-21-20

Tax Map

1 in = 660 feet

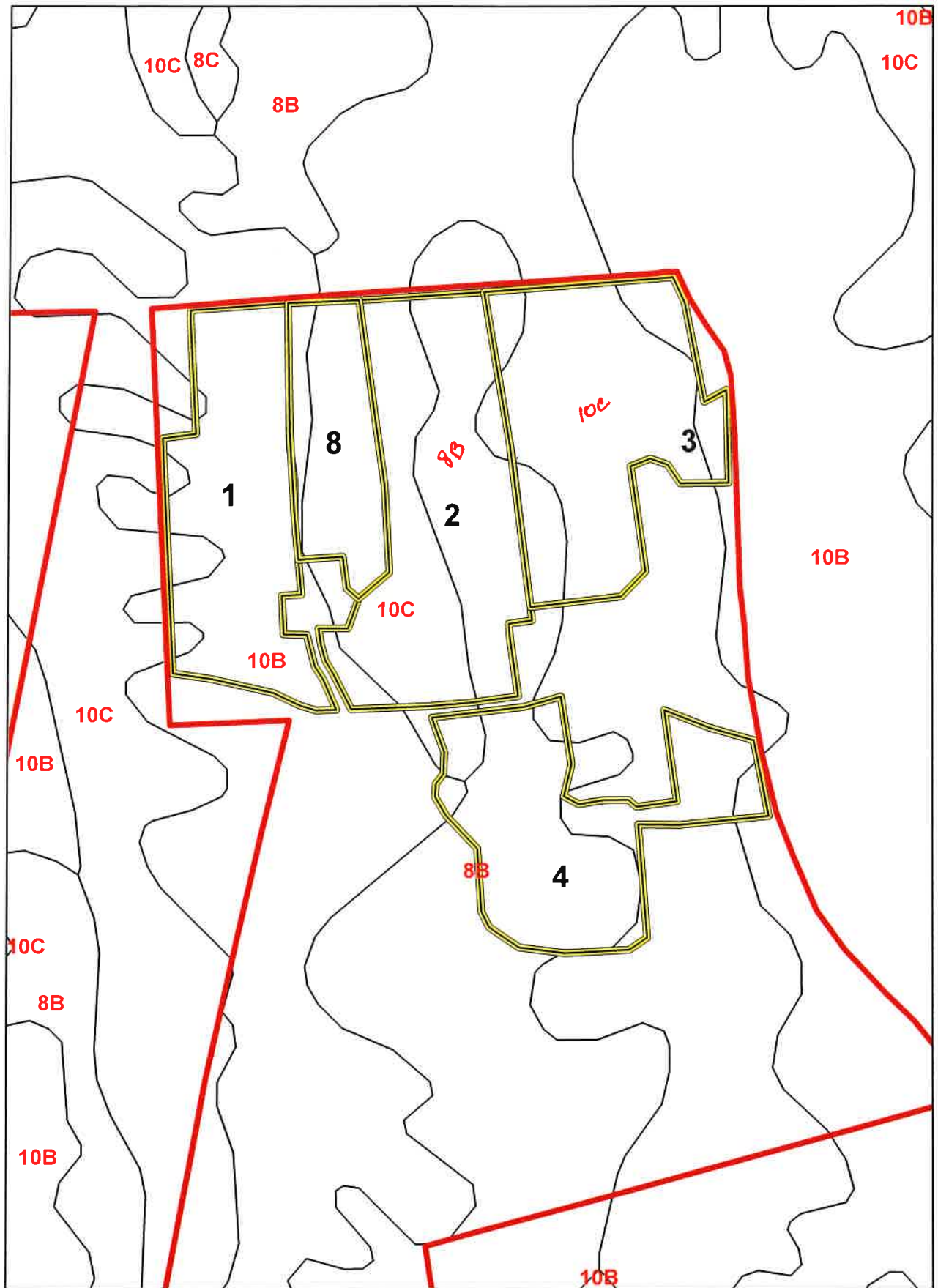
ADJOINING LANDOWNERS

H.N. Van Cleef

Dinwiddie

Tax Map	Parcel #	Owner Name(s)
14	3A	John Woodward SR
	7	Scott Timberland CO LP
	9A	Christhe E Mayton
	9C	John Woodward SR
	10A	Joyce A & Nelson M Van Cleef
	10	Roger F or Connie Walton
	11	Larry G & Donna D Elder
15	1	Richard Todd Roberson, Danna Wilson Roberson & Fred Davis
	5	Robert H Davis
	20	Grace Owen LLC
27	9	Tiaa Timberlands 1 LLC C/O Greenwood Resources INC
	10	Tiaa Timberlands 1 LLC C/O Greenwood Resources INC
	19	Briar Hill Holdings LLC
	20	Imphal Timber LLC C/O Timberland Investment
	22A	Esterlene M Pearce
	22A1	Eric A Pearce
	22D	Alice R Harver & Waverly G Reamis & Gary W
	22E	Alice R Harver
	22F	Christopher R Hodges
	22G	Larry G & Donna D Elder
	22H	Waverly G & Cherly W Reames
	22H1	Milton Alan & Dibbie K Harver
	23	Leonard H Lewis JR
	23B	Elizabeth S Walker
28	1E	Robert H Davis
	1H	Barbara H Davis
	1I	Robert H Davis
	3	Steven w & June L Bryant
	4	William G Kelly
	4A	Virginia Housing Development Authority
	5	Herbert Nelson Van Cleef
	6	Stephanie S Marker
	14	Coleman Knox Field

Tax Map	Parcel #	Owner Name(s)
28	15	Brian A Davis
	16	Jeffrey D & Helen C Carper
	17	Jeffrey D & Helen C Carper
	18	Theresa D Crowder
	19	Danial Wright
	20	Larry A & Marry J David
	21	Betty Lou Cooke Williams
	21A	Danial L Boney
	22	James L Edmonds or Marta M Edmonds
	23	Veron I or Edith H Daulton
	24	Veron I or Edith H Daulton



Soil Map

1 in = 660 feet



7-21-20
Frequently
Flooded



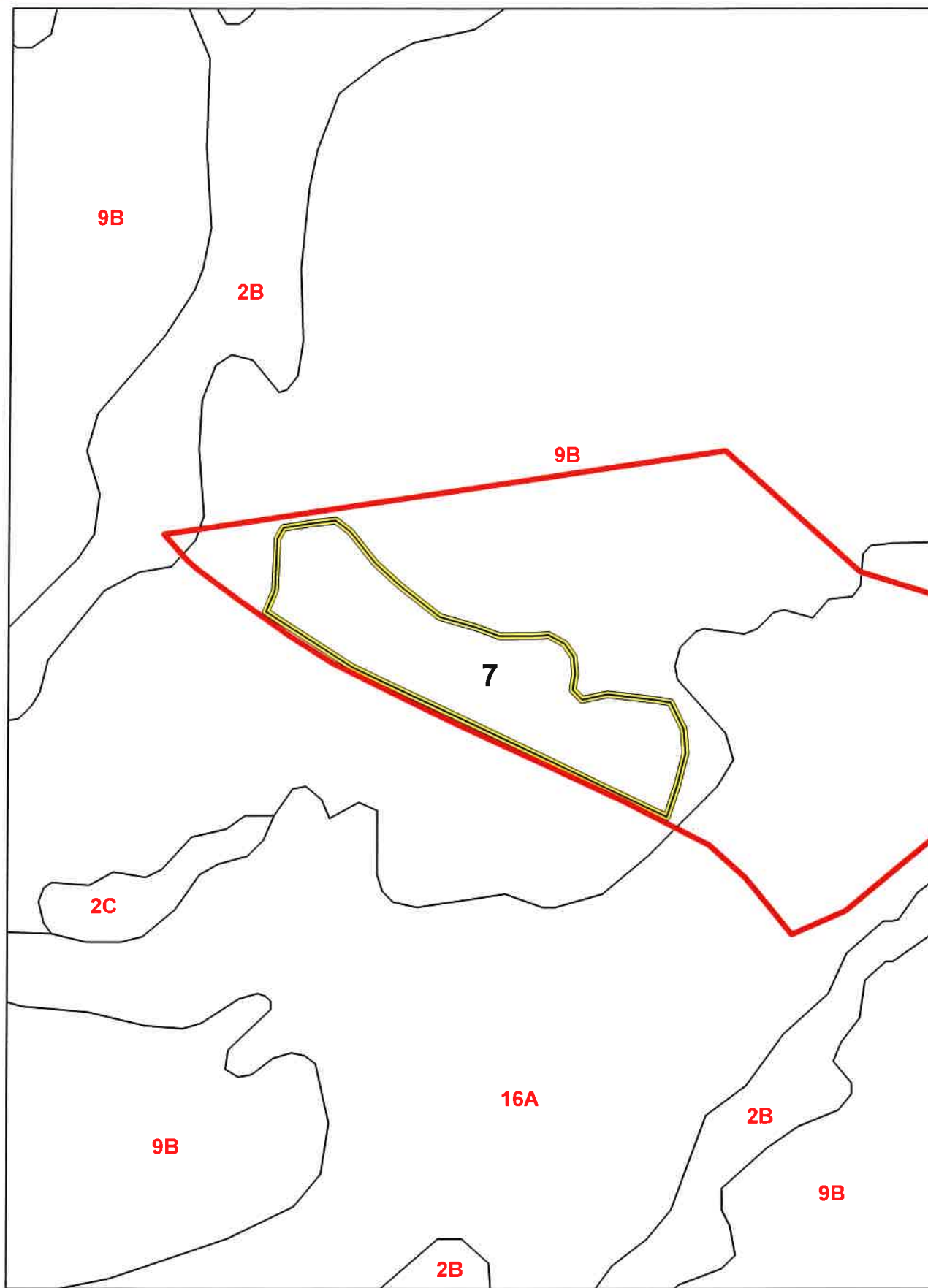
DWHNV



1 in = 660 feet



7-21-20
Frequently
Flooded



7-21-20
Frequently
Flooded

Soil Map

1 in = 660 feet



Field Id	Gross Acres
DWHNV 1	14.6
DWHNV 2	19.2
DWHNV 3	17.3
DWHNV 4	14.6
DWHNV 5	33.3
DWHNV 6	22.4
DWHNV 7	14.1
DWHNV 8	7.4
TOTAL	142.9



7-21-20

Aerial Map

1 in = 660 feet



Field Id	Gross Acres
DWHNV 1	14.6
DWHNV 2	19.2
DWHNV 3	17.3
DWHNV 4	14.6
DWHNV 5	33.3
DWHNV 6	22.4
DWHNV 7	14.1
DWHNV 8	7.4
TOTAL	142.9



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



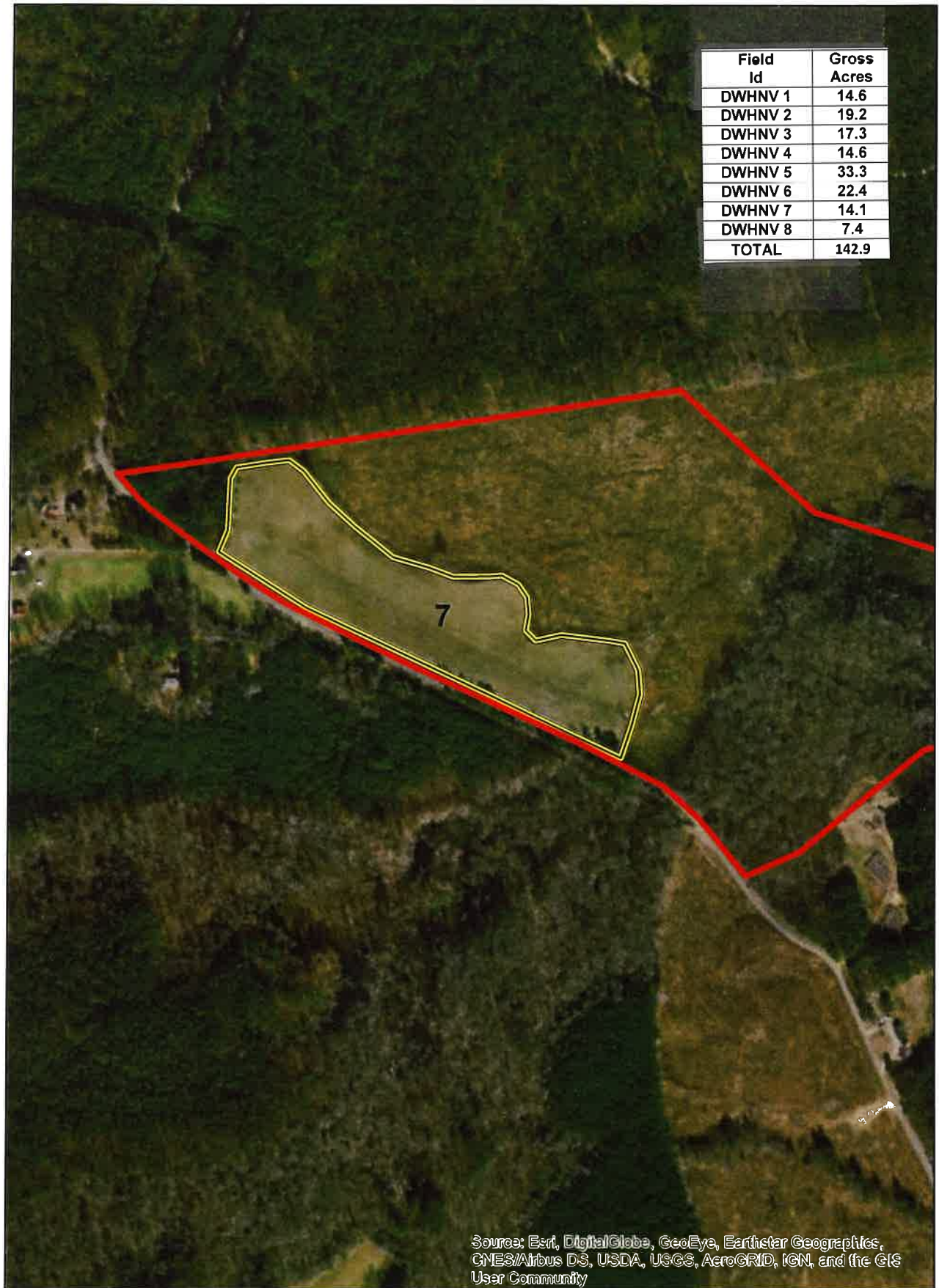
7-21-20

Aerial Map

1 in = 660 feet



Field Id	Gross Acres
DWHNV 1	14.6
DWHNV 2	19.2
DWHNV 3	17.3
DWHNV 4	14.6
DWHNV 5	33.3
DWHNV 6	22.4
DWHNV 7	14.1
DWHNV 8	7.4
TOTAL	142.9



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



7-21-20

Aerial Map

1 in = 660 feet



United States
Department of
Agriculture

Dinwiddie County, Virginia

Tract 2287

Farm 4436

2019 Program Year

Map Created June 20, 2019

Common Land Unit

Non-Cropland

☐ Cropland

rc1_l_va053

Tract Boundary

Wetland Determination

Identifiers

- Restricted Use

► Limited

Exempt from Conservation

Compliance Provisions

Tract Cropland Total: 58.59 acres



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United States
Department of
Agriculture

Dinwiddie County, Virginia

Farm 4611

Tract 2266

2020 Program Year

Map Created June 03, 2020

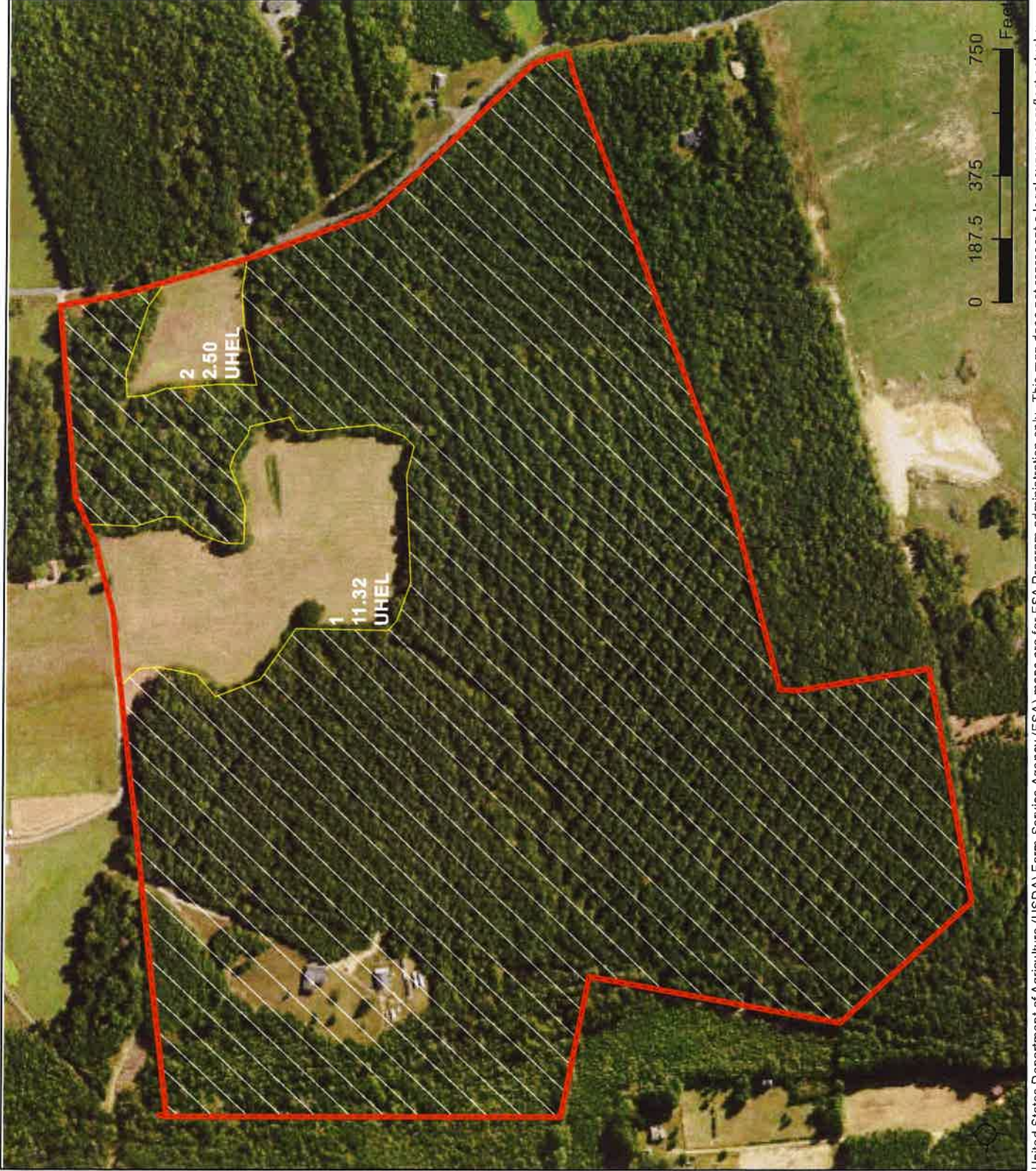
Common Land Unit

- Non-Cropland
- Cropland
- Tract Boundary

Wetland Determination Identifiers

- Restricted Use
- Limited Restrictions
- Exempt from Conservation
- Compliance Provisions

Tract Cropland Total: 13.82 acres



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United States
Department of
Agriculture

Dinwiddie County, Virginia

Tract 2244

Farm 4436

2019 Program Year

Map Created June 20, 2019



Common Land Unit

- Non-Cropland
- Cropland
- Tract Boundary

Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 44.54 acres

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Dinwiddie County, Virginia

Tract 2267

Farm 4436



2019 Program Year

Map Created June 20, 2019

Common Land Unit

- Non-Cropland
- Cropland
- rcl_1_va053
- Tract Boundary














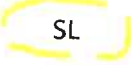

Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation
- Compliance Provisions

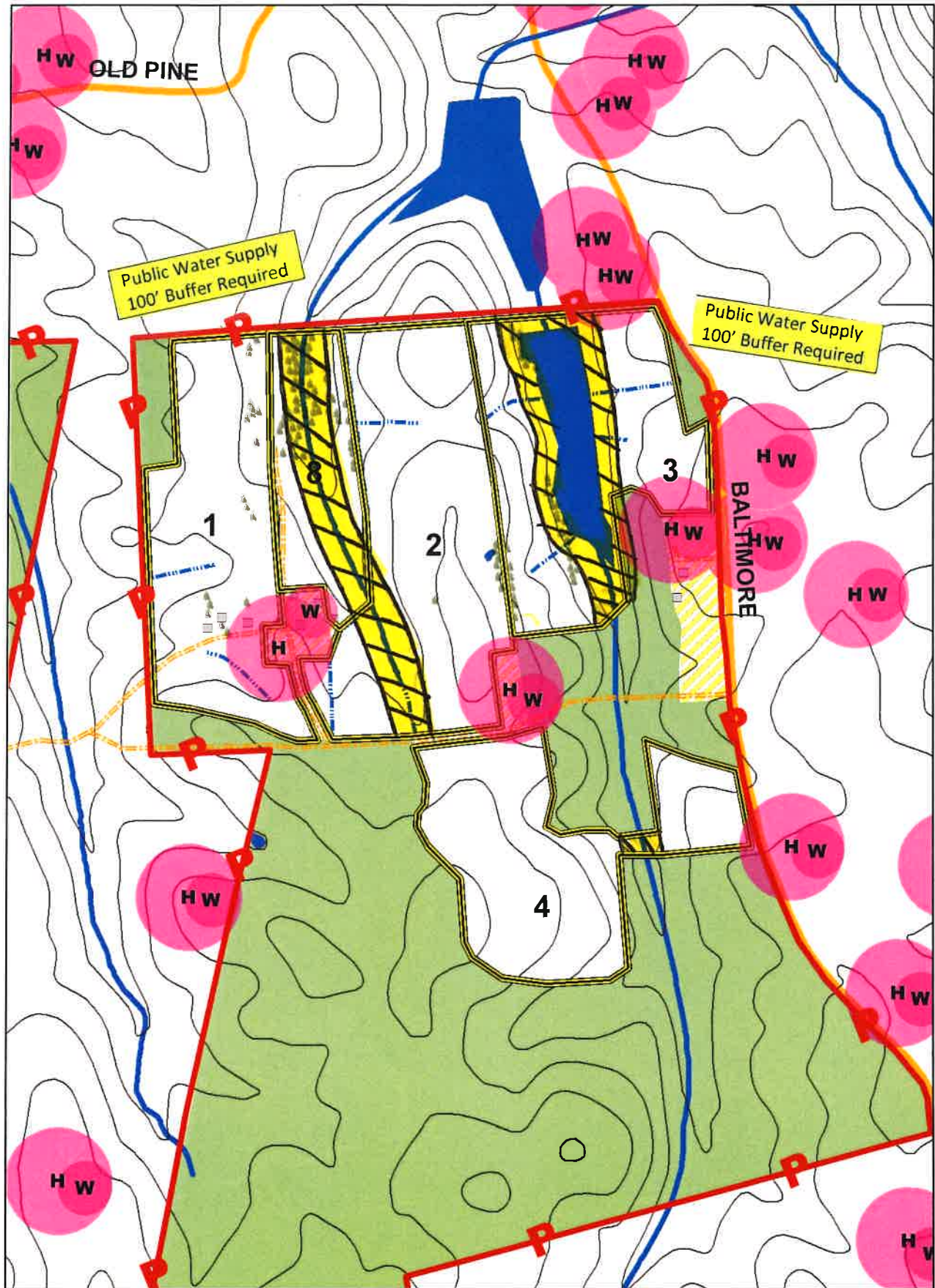
Tract Cropland Total: 14.43 acres

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Legend For Site Plan

Symbol	Feature	Minimum Setback
	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
 	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
	Severely Eroded Spot	18 Inch minimum depth of soil
  	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
	Property Line	100 feet from property line *
 	Slope	15% maximum
	Hashed out Area	No application

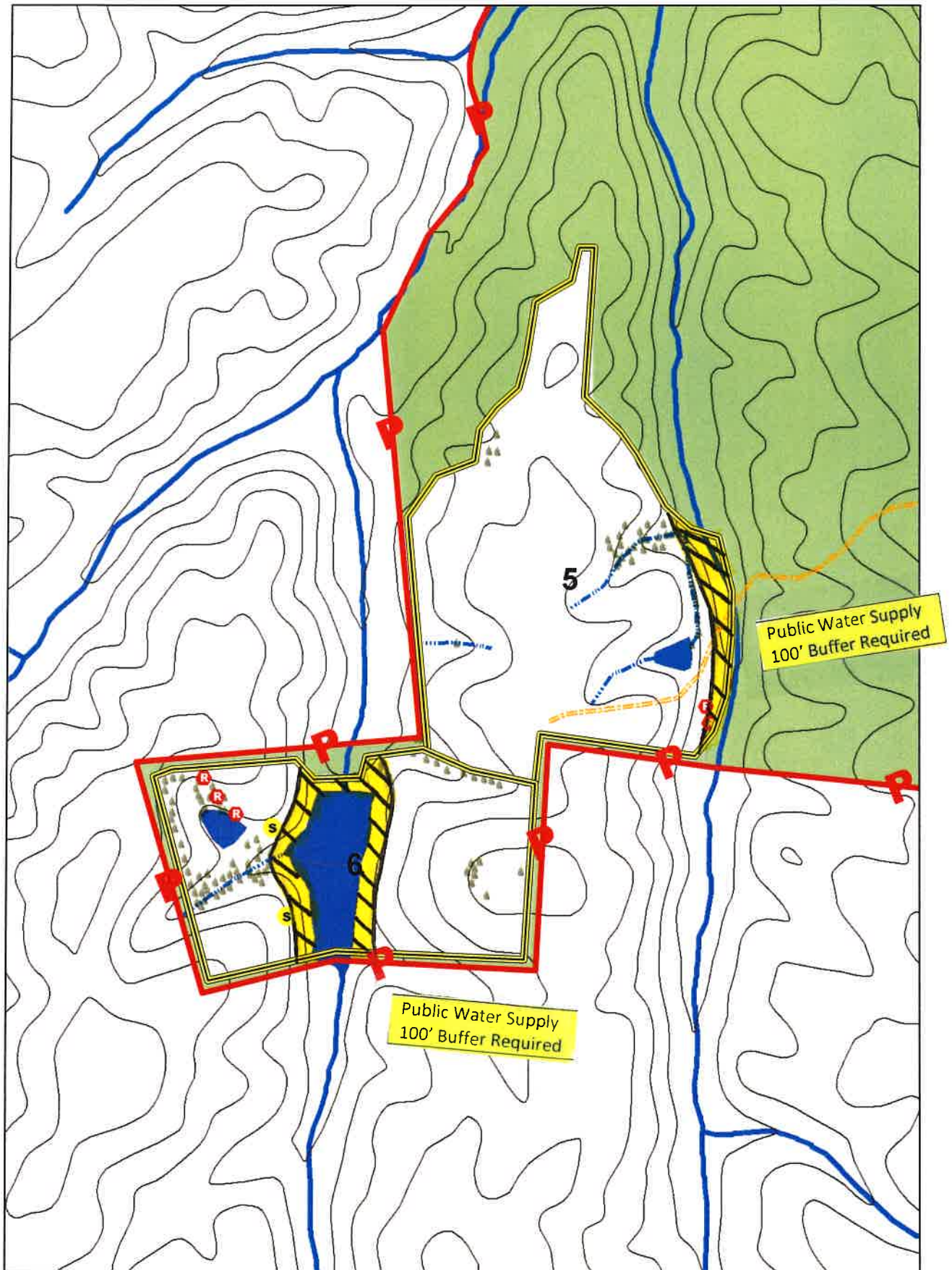
*Buffer can be reduced or waived upon written consent from landowner.



7-21-20

Site Map

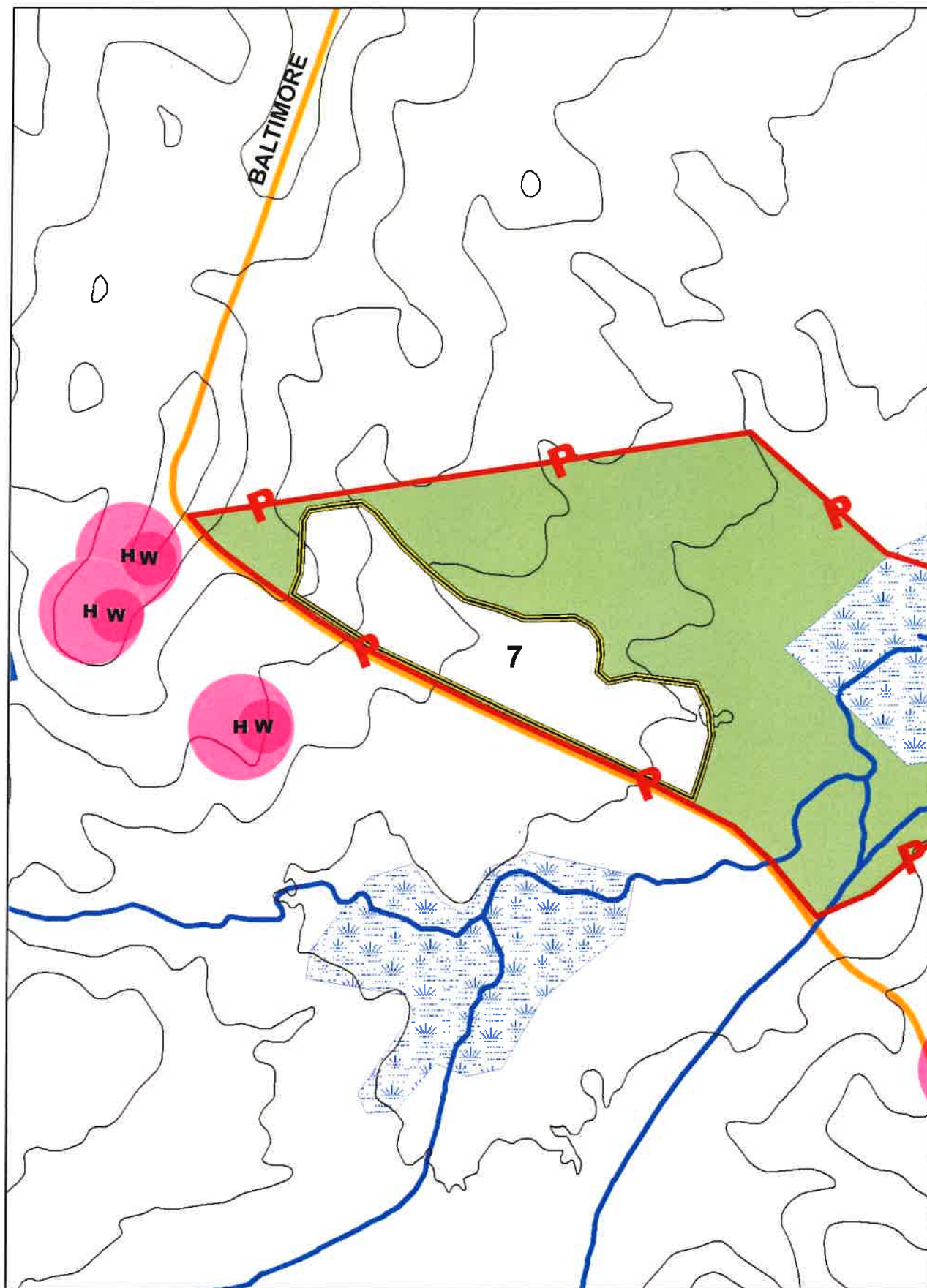
1 in = 660 feet



7-21-20

Site Map

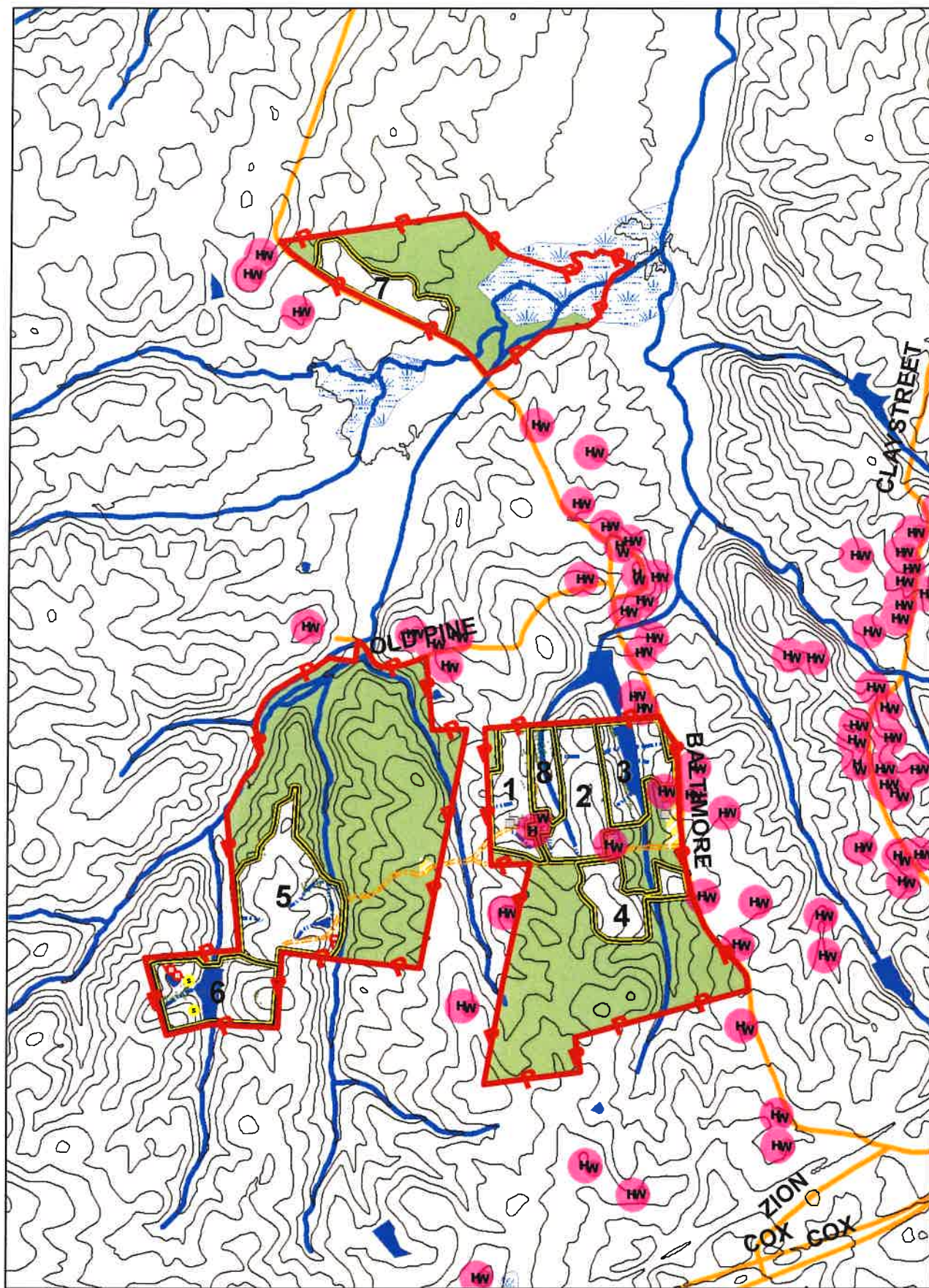
1 in = 660 feet



7-21-20

Site Map

1 in = 660 feet



7-21-20

Topographic Map

1 in = 2,000 feet

